Panasonic recommends Windows® 7.

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THE PORTABLE SEMI RUGGEDIZED NOTEBOOK WITH HD WIDESCREEN.

TOUGHBOOK CF-53.

Industry-leading balanced mobility combined with semi-rugged design features and state-of-the art PC performance makes the CF-53 ideal for all semi-outdoor applications for mobile users.

- Intel® Core™ i5 2520M vPro processor
- Genuine Windows® 7 Professional
- Intel® HD 3000 graphics
- 14" HD Active Matrix (TFT) colour LCD
- Robust magnesium alloy display case
- Shock-protected HDD
- Integrated DVD Multi Drive
- USB 3.0 and serial port
- Battery life up to 10 hours (Mobile Mark™ 2007, 60cd/m²)
- 2nd LAN, Firewire or Modem optional
- Low temperature HDD option
- High capacity "road warrior" Battery option
- Withstands drops from a height of 76cm*

* Tested in Panasonic Factory.

intel inside™ CORE™ i5 vPro™ Protect. Manage.

TOUGHBOOK When it's worth doing better.

www.toughbook.eu

Panasonic recommends Windows® 7.

MOBILE BUSINESS EXCELLENCE

The CF-53 is equipped with a second-generation Intel® Core™ i5 platform and Genuine Windows 7 Professional. Designed for all mobile professionals, including small and medium-sized business users, looking for outstanding value and mission-critical application access, it represents core Toughbook benefits combined with semi-rugged protection.

Mobile Computing Platform	Intel® Core™ i5-2520M vPro™ processor	
	(2.5GHz, 3MB Intel® Smart Cache, Intel® 6 series Express chipset QM67)	
Operating System	Genuine Windows® 7 Professional	
RAM	4GB DDR3 SDRAM (max. 8GB)	
Graphic Chip	Intel® HD Graphics 3000, UMA (Windows® 7 64bit max. 1696MB, 32bit max. 1428MB)	
Storage	320GB (SATA)	
CD/DVD Drive	DVD Super MULTI Drive	
LCD	14" Active Matrix (TFT) colour LCD 1366 x 768 pixels (HD)	
Bluetooth™	2.1 + EDR Class 1	
Wireless LAN	Intel® Centrino® Advanced-N 6205 AGN WLAN	
	IEEE 802.11 a/b/g/n compliant; slide on/off switch	
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd LAN Project based)	
Modem	Data: 56 kbps (V.92) FAX: 14.4 kbps (Project based)	
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support	
Security	TPM (TCG V1.2 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot	
Card Slots	PC Card Slot*	x 1, Type I or Type II, Allowable current 3.3 V: 400 mA, 5 V: 400 mA
	ExpressCard Slot*	x 1, ExpressCard/34 or ExpressCard/54
	SD/SDXC Memory card slot	x 1
	RAM Module Slot	x 2, DDR3 SDRAM, 204-pin, 1.5 V, SO-DIMM, PC3-10600 Compliant, one slot occupied
Interfaces	Serial (16550A compatible)	Dsub, 9-pin
	VGA	Mini Dsub, 15-pin
	HDMI	x 1
	Headphones	Mini-jack, 3.5 DIA, stereo
	Microphone	Mini-jack, 3.5 DIA, stereo
	DC input	Jack
	USB 2.0	x 3, 4-pin
	USB 3.0	x 1, 4-pin
	Firewire (IEEE1394a)	x 1, 4-pin (Project based)
	Modem	RJ-11 (Project based)
	LAN	RJ-45 (2nd LAN Project based)
	Port replicator	100-pin
Keyboard / Pointing Device	88 keys / Touch Pad	
Power	AC Adaptor	Input: 100V ~ 240V, 50Hz/60Hz; Output: 15.6V, 7.05A
	Battery	Lithium-Ion (10.8V, Typical 6750 mAh / Minimum 6300 mAh)
	Battery life	Approx. 10h (Mobile Mark™ 2007, LCD brightness: 60cd/m²)
	Power Management	Standby function, ACPI BIOS
Dimensions (W x H x D)	341mm x 48-55mm x 281mm/13.6" x 1.9 - 2.2" x 11.2" (including carrying handle)	
Weight	Approx. 2.65 kg /5.84 lb (including carrying handle)	
Webcam (optional)	1.3 Mpx with digital microphone	
Integrated Options	Fingerprint Reader, Smart Card Reader, 3G Mobile Broadband (HSPA+, up to 21Mbps)	
Accessories	AC Adaptor	CF-AA5713A
	Battery charger	CF-VCBTB2W
	Battery pack	CF-VZSU71U ("road warrior" 9 cell, 73Wh)
		CF-VZSU46AU ("road warrior" 9 cell, 92Wh)
	Port replicator	CF-VEB531U

* Config. A: 1x PC Card Type I or II + 1x ExpressCard - Config. B:: 2x PC Card Type I or II, no ExpressCard

As an ENERGY STAR® Partner, Panasonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Active Matrix colour display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artefact of the manufacturing process (effective pixels: minimum 99.998%). RAM capacity calculated as follows: 1MB = 1,048,576 bytes. HDD capacity calculated as follows: 1GB = 1,000,000,000 bytes. Toughbook is a brand name and registered trademark of Panasonic Corporation. Acrobat® is a registered trademark of Adobe® Systems Incorporated. Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Microsoft® and Windows® are registered trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances. Panasonic Marketing Europe GmbH, Panasonic Computer Products Europe Headquarters, Hagenauer Straße 43, 65203 Wiesbaden (Germany).

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